

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/189,415D
Source: IFW/6
Date Processed by STIC: 2/14/06

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/189,415D

DATE: 02/14/2006

TIME: 14:58:45

Input Set : E:\UBCV0004.ST25.txt
 Output Set: N:\CRF4\02142006\I189415D.raw

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3 <110> APPLICANT: Finlay, Brett B.
4      Kenny, Brendant
5      DeVinney, Rebekah
6      Stein, Marcus
8 <120> TITLE OF INVENTION: HOST RECEPTOR FOR PATHOGENIC BACTERIA
10 <130> FILE REFERENCE: UBCV-0004
12 <140> CURRENT APPLICATION NUMBER: US 09/189,415D
13 <141> CURRENT FILING DATE: 1998-11-10
15 <150> PRIOR APPLICATION NUMBER: US 60/065,130
16 <151> PRIOR FILING DATE: 1997-11-12
18 <160> NUMBER OF SEQ ID NOS: 14
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1920
24 <212> TYPE: DNA
25 <213> ORGANISM: Escherichia coli
27 <400> SEQUENCE: 1
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30 gatatatgtt tgc当地tattgg taaccttggg aataatgttt atggcaatca tt当地attccc 120
32 cctgc当地ccgc cactaccttcc acaaaacagac ggccggccac ggggaggaaac tggtcatcta 180
34 attagctcta caggagcatt aggatctcg t当地attttt ctcccccttagg aaattctatg 240
36 gctgattctg tc当地tcccg agatattccaa ggacttccctaa caaaccctatc gaggcttgct 300
38 gc当地gctacat ctgagacatg ct当地tggtaag tt当地ccatgta taaggggcca 360
40 ct当地tgatatttca tcaatacgca aattggaccc tctgc当地tttc gt当地ttgaatg gcaggcagat 420
42 ggtactctatg cccgcttattgg agaaaaaaaat gg当地ttggagg tt当地cggttac attaagtcc 480
44 caagaatggc gc当地gcttgc atctattgtt actgagggtt aaaaacagatt tg当地tttacc 540
46 gggggacgtg gccggtatgg gcatccgatg gtc当地ctgtcg catcagatatt cgccgaaagct 600
48 cgtacgaaaa tactggccaa attagacccaa gacaatcatg gaggacgtca acccaaggac 660
50 gttgatacgc gttctgttgg tttggcagc gctt当地ggaa tagatgtgg cg当地tttagc 720
52 gaaacccata ct当地caacaac aaattccagc gttc当地ctcag atc当地ttaatt ct当地gggttct 780
54 gtc当地ggccaa tt当地gtctgg tt当地tagggc ct当地ggccaa ct当地gttac acaggcgtt 840
56 gctt当地gacac cggaaaccggaa tgatc当地taca accaccgatc ct当地gtcaggc cg当地aaatgt 900
58 gc当地gaaatgtt caacaaaaga tc当地gttaacg caagaaggcat tcaaggaaaccc tg当地gaaaccag 960
60 aaagtttaca tc当地gtcgaa cggaaatgtt attc当地gtctg ggg当地attaaa agatgtatatt 1020
62 gttgagcaaa tagcacaaca agctt当地aaagag gctt当地gttgggg tggccagaca gc当地aggctt 1080
64 gaaagcaatg cacaggcgc当地a gcaaggatatt gaggatcagc atgccc当地agacg tc当地aggaggaa 1140
66 tt当地acagctt catc当地gggtat tt当地gttacggc ct当地cagctgtt cattgtt当地gtt tgctt当地gggg 1200
68 attt当地gttctgtt gt当地taacgc tgc当地ctccat agacgaaatc agccggc当地aga acagacaact 1260
70 actacaacaa cacatacggt agtgc当地cagcaa cagaccggag ggatacccttca gc当地acaagggt 1320
72 gc当地actgtgc cacaagagcg aagacgcttcc tctgatagac gt当地attcgca ggggagggtt 1380
74 gcatc当地gacac actggtcaga tt当地ctctagc gaagtttggta atccatatgc tgaagtttggg 1440
76 ggggctc当地ggaa atagtc当地tatc ggctcatcag cc当地agaagacg atattt当地atgta tgaggtc当地gtt 1500
78 gc当地agatcctg gttatagcgt tattc当地agaat tt当地tcaggaa gccc当地aggta taccggaaagg 1560

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80	ttaataggaa	ctccaggggca	aggatatccaa	agtacttatg	cgtttctggc	aaacagcggc	1620
82	ggattgcgtt	taggtatggg	aggattaacg	agtggggcgc	agacggcagt	aagttctgtt	1680
84	aatgccgcac	caacgcaggg	accagtagct	ttcggttaaa	tatatactgtt	agtatttagt	1740
86	tgaggttggg	gtgggggtggg	ggggcggttt	actagcgta	atgtttcaga	gaacaacgtt	1800
88	gcagcatggg	taactcttga	acttctgttta	ttataatcaa	ttaagagaaaa	ttataatgtc	1860
90	atcaagatat	qaacttttat	tagataqgtt	tgcggaaaaaa	atttgttq	qatctatttc	1920

93 <210> SEQ ID NO: 2

95 <400> SEQUENCE: 2

W--> 96 000

98 <210> SEO ID NO: 3

99 <211> LENGTH: 1723

100 <212> TYPE: DNA

101 <213> ORGANISM: Escherichia coli

103 <400> SEQUENCE: 3

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106	ccattacctt	cacaaccga	cggtgcaggg	gggcgtggc	agctcataa	ctctacgggg	120
108	ccgttggat	ctcgtagcgt	atttacgcct	gtaaaggatt	ctatggctga	ttctggcgac	180
110	aatcggtcca	gtgatgtcc	tggacttcct	gtaaatccga	tgccgctggc	ggcgtctgag	240
112	ataaacactga	atgatggatt	tgaagttctt	catgatcatg	gtccgctcga	tactcttaac	300
114	aggcagattg	gctcttcgg	atttcgagtt	aaaactcagg	aagatggtaa	acatattgct	360
116	gtcggtcaga	ggaatggtgt	tgagacctct	gttggtttaa	gtgatcaaga	gtacgctcgc	420
118	ttgcagtcca	ttgatcctga	aggtaaagac	aaatttgtat	ttactggagg	ccgtgggtgt	480
120	gctgggcatg	ctatggtcac	cggtgcctca	gatatcacgg	aagcccgcca	aaggatactg	540
122	gagctgttag	agcccaaagg	gaccggggag	tccaaaggtg	ctggggagtc	aaaaggcggt	600
124	ggggagttga	gggagtc当地	tagcgggtgc当地	gaaaacacca	cagaaactca	gacctcaacc	660
126	tcaacttcca	gccttcgttc	agatcctaaa	cttgggtgg	cggtggggac	tgttgc当地	720
128	ggtctgatag	gggtggcgcc	gacgggtatt	gtacaggcgc	ttgcattgac	gccggagccg	780
130	gatagcccaa	ccacgaccga	ccctgatgca	gctgcaagtg	caactgaaac	tgcgacaaga	840
132	gatcagttaa	cgaaagaagc	gttccagaaac	ccagataatc	aaaaagttaa	tatcgatgag	900
134	ctcgaaatg	cgattccgtc	aggggtattt	aaagatgatg	ttgttgc当地	tatagaagag	960
136	caggctaaag	cagcaggcga	agaggccaaa	cagcaagcc	ttaaaaataa	tgctcaggcg	1020
138	aaaaaaaaat	atgatgaaca	acaagctaaa	cgccaggagg	agctgaaagt	ttcatcgffff	1080
140	gctggctacg	gtcttagtgg	cgcattgtt	cttgggtggg	gaattgggt	tgccgtcacc	1140
142	gctgcgttc	atcgaaaaaa	tcagccggta	gaacaaacaa	caacaactac	tactacaact	1200
144	acaactacaa	gcmcacgtac	ggtagagaat	aagcctgca	ataatacacc	tgcacagggc	1260
146	aatgttagata	ccccctgggtc	agaagatacc	atggagagca	gacgtagctc	gatggctagc	1320
148	acctcgctga	ctttcttga	cacttccagc	atagggaccg	tgcagaatcc	gtatgctgat	1380
150	gttaaaaacat	cgctgcatga	ttcgcagggt	ccgacttcta	attctaatac	gtctgttcag	1440
152	aatatgggga	atacagattc	tgttgtat	agcaccattc	aacatccccc	ccgggatact	1500
154	actgataacg	gcmcacgggt	attaggaaat	ccaagtgcgg	ggattcaaag	cacttatcg	1560
156	cgtctggcgc	taagtgggt	attacgcccatt	gacatggag	gattaacggg	ggggagtaat	1620
158	agcgctgtga	atacttcgaa	taacccacca	gcmcgggat	cccatcgccc	cgtctaaata	1680
160	tatccataat	cattttat	aqaqqqqaaqq	aqqqqqqaq	tct		1723

163 <210> SEQ ID NO: 4

165 <400> SEQUENCE: 4

W--> 166 000

168 <210> SEQ ID NO: 5

169 <211> LENGTH: 1460

170 <212> TYPE: DNA

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171 <213> ORGANISM: Escherichia coli
 173 <400> SEQUENCE: 5
 174 aattctgttg ctgatgctgc tgattctcggt gccagtata ttccggact tcctacaaat 60
 176 ccaactgcgtt ttgctgcgtc cgaggatctt ttgcatggcg cgcttgaagt tcttcatgtat 120
 178 aaaggggggc ttgataactct taactctgtt attggatctt cgttattccg tggtaaaact 180
 180 cgggatgtat gcagccatgt tgctatcggtt caaaaaatgt gcctcgagac cactgttgg 240
 182 ttaagtggc aagagtttc tagcttacag tcccttgcgtc ctgaaggtaa aaacaaattt 300
 184 gtatTTactg gaggccgcgg tggcccagggtt catgtatgg tcacgggtgc ttcaagatatc 360
 186 gccaagccc gtcagaggat aatagataaa tttagaaccat aggatacaaa ggagacgaag 420
 188 gagccagggg atccaaatag tggcgaggga aaaatcatttgg aaattcatac ctcaacctca 480
 190 acttctagcc tccgtgcaga ttctaaacctt tggttgcattt tggggactat tgctgcagg 540
 192 ctgataggga tggctgcgtc ggggatttgcgtt caggctgttgc ttgtactcc agagccggat 600
 194 gacccaatca ctaccgaccc tgatgctgcgtc gcaaaacacag ctgaagcagc ggcaaaagat 660
 196 cagttAACGA aagaAGCATT ccagaACCCA gataaccaga aagttaatat cgatgagaac 720
 198 gggaaatgcaa ttccgtccgg ggaactaaaaa gatgtatgg ttgcgcattt agcagaacaa 780
 200 gctaaaagcgg cgggtgaaca gcccagacag gaagctatttgg aaagtaattt tcaggcgcag 840
 202 caaaaatatg atgaacacgca tgctaaacgc gaacaggaaa ttgtctttt atcgggggtt 900
 204 ggctacggta tttagtggcgtc gctgattttt ggcggggaa ttgggtgcgg tggtaactgct 960
 206 gcttttcatc ggaaaaacca accggcagaa caaacaatca ctacacgtac ggtatgtcgat 1020
 208 aatcagcccta cgaataacgc atctgcgcgtt ggcaataactt acacaagtgg gccagaagag 1080
 210 tccccggcgtt cgcacgtttaa ttcaatgttcc agcctcgcat cgaacgggtc tgacacctcc 1140
 212 agcacgggca cggtagagaa tccgtatgtt gacgttggaa tgcccagaaa tgattactgt 1200
 214 gctcgattt cagagaaacc tatttatgtt gaggctgtt cagatccaa ttatagcgatc 1260
 216 attcaacatttttccaggaa cagcccaggat accgaaaggat tagtggaaac cccagggcaa 1320
 218 ggtatccaa gtacttatgc gcttctggca agcagcggcg gattgcgtt aggtatggaa 1380
 220 ggattAACGG ggggtggcgtt gagcgcagta agtactgcca atgcccgcacc aacggccggaa 1440
 222 cccgcacgtt tcgtttaaat 1460
 225 <210> SEQ ID NO: 6
 227 <400> SEQUENCE: 6

W--> 228 000

230 <210> SEQ ID NO: 7
 231 <211> LENGTH: 30
 232 <212> TYPE: PRT
 233 <213> ORGANISM: Escherichia coli
 235 <400> SEQUENCE: 7
 237 Pro Ile Gly Asn Leu Gly Asn Asn Val Asn Gly Asn His Leu Ile Pro
 238, 1 5 10 15
 241 Pro Ala Pro Pro Leu Pro Ser Gln Thr Asp Gly Ala Ala Arg
 242 20 25 30
 245 <210> SEQ ID NO: 8
 246 <211> LENGTH: 26
 247 <212> TYPE: DNA
 248 <213> ORGANISM: Artificial
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: Primer
 253 <400> SEQUENCE: 8
 254 aaagtgcaca agaacatcgat aaccag 26
 257 <210> SEQ ID NO: 9
 258 <211> LENGTH: 30

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259 <212> TYPE: DNA
 260 <213> ORGANISM: Artificial
 262 <220> FEATURE:
 263 <223> OTHER INFORMATION: Primer
 265 <400> SEQUENCE: 9
 266 tttgtcgact tatgtttgtg aaggtagtgg 30
 269 <210> SEQ ID NO: 10
 270 <211> LENGTH: 549
 271 <212> TYPE: PRT
 272 <213> ORGANISM: Escherichia coli
 274 <400> SEQUENCE: 10
 276 Met Pro Ile Gly Asn Leu Gly Asn Asn Val Asn Gly Asn His Leu Ile
 277 1 5 10 15
 280 Pro Pro Ala Pro Pro Leu Pro Ser Gln Thr Asp Gly Ala Ala Arg Gly
 281 20 25 30
 284 Gly Thr Gly His Leu Ile Ser Ser Thr Gly Ala Leu Gly Ser Arg Ser
 285 35 40 45
 288 Leu Phe Ser Pro Leu Arg Asn Ser Met Ala Asp Ser Val Asp Ser Arg
 289 50 55 60
 292 Asp Ile Pro Gly Leu Pro Thr Asn Pro Ser Arg Leu Ala Ala Ala Thr
 293 65 70 75 80
 296 Ser Glu Thr Cys Leu Leu Gly Gly Phe Glu Val Leu His Asp Lys Gly
 297 85 90 95
 300 Pro Leu Asp Ile Leu Asn Thr Gln Ile Gly Pro Ser Ala Phe Arg Val
 301 100 105 110
 304 Glu Val Gln Ala Asp Gly Thr His Ala Ala Ile Gly Glu Lys Asn Gly
 305 115 120 125
 308 Leu Glu Val Ser Val Thr Leu Ser Pro Gln Glu Trp Ser Ser Leu Gln
 309 130 135 140
 312 Ser Ile Asp Thr Glu Gly Lys Asn Arg Phe Val Phe Thr Gly Gly Arg
 313 145 150 155 160
 316 Gly Gly Ser Gly His Pro Met Val Thr Val Ala Ser Asp Ile Ala Glu
 317 165 170 175
 320 Ala Arg Thr Lys Ile Leu Ala Lys Leu Asp Pro Asp Asn His Gly Gly
 321 180 185 190
 324 Arg Gln Pro Lys Asp Val Asp Thr Arg Ser Val Gly Val Gly Ser Ala
 325 195 200 205
 328 Ser Gly Ile Asp Asp Gly Val Val Ser Glu Thr His Thr Ser Thr Thr
 329 210 215 220
 332 Asn Ser Ser Val Arg Ser Asp Pro Lys Phe Trp Val Ser Val Gly Ala
 333 225 230 235 240
 336 Ile Ala Ala Gly Leu Ala Gly Leu Ala Ala Thr Gly Ile Ala Gln Ala
 337 245 250 255
 340 Leu Ala Leu Thr Pro Glu Pro Asp Asp Pro Thr Thr Thr Asp Pro Asp
 341 260 265 270
 344 Gln Ala Ala Asn Ala Ala Glu Ser Ala Thr Lys Asp Gln Leu Thr Gln
 345 275 280 285
 348 Glu Ala Phe Lys Asn Pro Glu Asn Gln Lys Val Asn Ile Asp Ala Asn
 349 290 295 300

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352 Gly Asn Ala Ile Pro Ser Gly Glu Leu Lys Asp Asp Ile Val Glu Gln
 353 305 310 315 320
 356 Ile Ala Gln Gln Ala Lys Glu Ala Gly Glu Val Ala Arg Gln Gln Ala
 357 325 330 335
 360 Val Glu Ser Asn Ala Gln Ala Gln Gln Arg Tyr Glu Asp Gln His Ala
 361 340 345 350
 364 Arg Arg Gln Glu Glu Leu Gln Leu Ser Ser Gly Ile Gly Tyr Gly Leu
 365 355 360 365
 368 Ser Ser Ala Leu Ile Val Ala Gly Gly Ile Gly Ala Gly Val Thr Thr
 369 370 375 380
 372 Ala Leu His Arg Arg Asn Gln Pro Ala Glu Gln Thr Thr Thr Thr
 373 385 390 395 400
 376 Thr His Thr Val Val Gln Gln Gln Thr Gly Gly Ile Pro Gln His Lys
 377 405 410 415
 380 Val Ala Leu Met Pro Gln Glu Arg Arg Phe Ser Asp Arg Arg Asp
 381 420 425 430
 384 Ser Gln Gly Ser Val Ala Ser Thr His Trp Ser Asp Ser Ser Ser Glu
 385 435 440 445
 388 Val Val Asn Pro Tyr Ala Glu Val Gly Gly Ala Arg Asn Ser Leu Ser
 389 450 455 460
 392 Ala His Gln Pro Glu Glu His Ile Tyr Asp Glu Val Ala Ala Asp Pro
 393 465 470 475 480
 396 Gly Tyr Ser Val Ile Gln Asn Phe Ser Gly Ser Gly Pro Val Thr Gly
 397 485 490 495
 400 Arg Leu Ile Gly Thr Pro Gly Gln Gly Ile Gln Ser Thr Tyr Ala Leu
 401 500 505 510
 404 Leu Ala Asn Ser Gly Gly Leu Arg Leu Gly Met Gly Gly Leu Thr Ser
 405 515 520 525
 408 Gly Gly Glu Thr Ala Val Ser Ser Val Asn Ala Ala Pro Thr Gln Gly
 409 530 535 540
 412 Pro Val Arg Phe Val
 413 545
 416 <210> SEQ ID NO: 11
 417 <211> LENGTH: 558
 418 <212> TYPE: PRT
 419 <213> ORGANISM: Escherichia coli
 421 <400> SEQUENCE: 11
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 424 1 5 10 15
 427 Pro Pro Ala Pro Pro Leu Pro Ser Gln Thr Asp Gly Ala Gly Gly Arg
 428 20 25 30
 431 Gly Gln Leu Ile Asn Ser Thr Gly Pro Leu Gly Ser Arg Ala Leu Phe
 432 35 40 45
 435 Thr Pro Val Arg Asn Ser Met Ala Asp Ser Gly Asp Asn Arg Ala Ser
 436 50 55 60
 439 Asp Val Pro Gly Leu Pro Val Asn Pro Met Arg Leu Ala Ala Ser Glu
 440 65 70 75 80
 443 Ile Thr Leu Asn Asp Gly Phe Glu Val Leu His Asp His Gly Pro Leu
 444 85 90 95

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/14/2006
PATENT APPLICATION: US/09/189,415D TIME: 14:58:46

Input Set : E:\UBCV0004.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:8,9

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Input Set : E:\UBCV0004.ST25.txt

Output Set: N:\CRF4\02142006\I189415D.raw

L:96 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (2) SEQUENCE:

L:166 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (4) SEQUENCE:

L:228 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (6) SEQUENCE: